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TITLE: METAL-DEPOSITED POLYESTER FILM

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INVENTOR-INFORMATION:

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ABSTRACT:

PURPOSE: To make processability on postprocessing good and to provide enough durability under a high moisture atmosphere by forming a metal deposition layer on a polyester film the surface of which is modified with a specified reactive urethane.

CONSTITUTION: A surface-modified layer wherein an aq. self-emulsifying heat-

reactive urethane is a main ingredient with a solvent swelling ratio of 50 % or smaller and with a water swelling ratio of 80 % or smaller is provided on at least one face of a polyester film and a metal-deposited layer is furthermore provided on the surface-modified layer to obtain a metal-deposited polyester film. It is pref. that the reactive urethane contains hydroxyl groups as an active hydrogen atom supporting the characteristics best and it is especially pref. that a polyester and a polyether ester have two or more hydroxyl groups. The metal-deposited layer constituting the film is a layer formed by adhering a metal or an alloy contg. the metal on a surface-modified layer of the base polyester film by means of a well known vacuum deposition method such as vapor deposition, sputtering and ion plating.

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